

Name: _____

Date: _____

Algebra 1A Pd: _____

Weekend Word Problem #18: Function Notation

Situation: Megan is saving for her college education. She has \$540 in her bank account and plans to put \$30 per month into the account. Megan can describe her situation using function notation because the amount of money - **$a(m)$** - she saves *depends* on the number of months - **m** - she saves.

This can be written as a function rule: **$a(m) = 30m + 540$**

1. Using the rule, please calculate the total amount of money Megan will have after 3 months.

2. Using your rule, please calculate the total amount of money Megan will have after 2 years.

3. Using your rule, please calculate the total amount of months Megan will have to save before she has a total of \$1,380.

4. Could you have answered questions 1-3 WITHOUT using a function rule? If so, explain how. Write at least TWO COMPLETE sentences.

6. How is writing a function rule useful for describing Megan's situation? If you do not believe it is useful, say so and DEFEND your answer. Write at least TWO COMPLETE sentences.
